

Please delete the following text appearing after the abstract:

Reference Numerals

- 10 multi-processor chip
- 12 first processor
- 14 second processor (hardware)
- 16 embedded operating system
- 18 operating system interface
- 20 first applications software
- 22 hardware abstraction layer
- 24 applications software 2-N
- 26 software simulatons
- 28 personal workstation development platform
- 30 non-embedded operating system